

Claims

1. A telephone, comprising:

a. a real-time input device for entering keyed
in digits corresponding to local digits of a
telephone number,

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b. an area code selection device for selection
of programmed digits corresponding to an
area code of said telephone number,

c. memory storage for said programmed digits,
and,

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d. a processor programmed to retrieve from said
storage and combine said programmed digits
with said keyed in digits and transmit a
signal corresponding to a combined telephone
number that includes said keyed in digits
and said programmed digits.

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2. The telephone of claim 1, further comprising
a processor programmed to compare said keyed
in digits with a set of special number
sequences and transmit telephone signal
codes that are based on the result of said
comparison.

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3. The telephone of claim 2, wherein said real-time input device is a keypad.
4. The telephone of claim 2, wherein said real-time input device is a virtual keypad.
- 5 5. The telephone of claim 2, wherein said real-time input device is a voice input device.
6. The telephone of claim 1, further comprising nonvolatile electrical memory for storage of special number sequences.
- 10 7. The telephone of claim 1, further comprising a display.
8. The telephone of claim 7, further comprising electrical circuitry for display of virtual push buttons.
- 15 9. The telephone of claim 8, further comprising electrical circuitry for display of an area code selection menu.
10. The telephone of claim 9, further comprising electrical circuitry for selection of an area code from an area code selection menu.
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~~11.~~ A telephone, comprising:

- a. a real-time input device for entering keyed in digits corresponding to local digits of a telephone number,
- b. storage memory for storing signals representing programmed digits,
- c. a processor programmed to:
 - i. retrieve from said storage signals representing programmed digits,
 - ii. combine said keyed in digits with said programmed digits,
 - iii. compare said keyed in digits with a set of special number sequences, and
 - iv. transmit a signal corresponding to a telephone number based on results of said comparison of said keyed in digits with said special number sequences.

12. The telephone of claim 11, further comprising:

- a. an area code selection device for selection of programmed digits corresponding to an area code of said telephone number,
- b. memory storage for said programmed digits, and,

c. a processor programmed to retrieve from said storage and combine said programmed digits with said keyed in digits and transmit a signal corresponding to a combined telephone number that includes said keyed in digits and said programmed digits.

13. A method for generating telephone signaling codes, comprising the steps of:
- a. receiving electrical signals corresponding to digits keyed in by a user
 - b. comparing in a processor said digits to digits from a list of special number sequences
 - c. generating signals corresponding to signaling codes, said signals conditionally dependent on said comparison in said processor, and corresponding to sequences of digits conditionally selected from either:
 - i. said digits keyed in by said user, or
 - ii. preprogrammed area code digits.

14. The method of claim 13, wherein said keyed in digits are keyed in through a telephone, said telephone comprising:

- a. a real time input device for entering keyed
in digits corresponding to local digits of a
telephone number,
- 5 b. an area code selection pad for selection of
programmed digits corresponding to an area
code of said telephone number, and,
- 10 c. a processor programmed to combine said
programmed digits with said keyed in digits
and transmit a signal corresponding to
combined telephone number that includes said
keyed in digits and said programmed digits.
- 15 15. The telephone of claim 1, wherein said area
code selection device includes at least two
push buttons for selection between two sets
of programmed digits.
16. The telephone of claim 1, wherein said area
code selection device includes at least two
push buttons for selection between two sets
of programmed digits.
- 20 17. The telephone of claim 1, wherein said area
code selection device is a voice input
device.

18. The method of claim 13 wherein said electrical signals corresponding to digits are generated by the telephone of claim 1.

19. The telephone of claim 1, wherein said telephone is a wireless telephone.

20. The method of claim 13, further comprising the step of inputting the geographical location of the telephone for selection of said preprogrammed area code digits.

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